

Message

From: Ball, Joel [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=92AF2AB6F5274BC597249D04358EF25F-BALL, JOEL]
Sent: 10/16/2015 2:12:23 PM
To: Gordinier, Terry [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=467b8a2aaf354255add9e24ca847520e-Gordinier,]
Subject: FW: 2015 ML 350 diesel testing
Attachments: FMBXT03.0U2A parameter form.xlsx

Joel Ball
Light-Duty Vehicle Group
Compliance Division
United States Environmental Protection Agency
(734) 214-4238
ball.joel@epa.gov

From: john.lipa@daimler.com [mailto:john.lipa@daimler.com]
Sent: Thursday, October 15, 2015 5:03 PM
To: Ball, Joel
Cc: Sohacki, Lynn
Subject: RE: 2015 ML 350 diesel testing

Joel,

Please find the attached parameter form for the GL350 that you plan to test at your facility. We're working on getting you the additional information you've requested but will take some additional time to pull that information together. Since special software is needed to perform the Drain & Fill and to set a Regeneration, just let me know and I can send someone up with the software to help out. Please let me know if you need anything else from us to help support this testing.

With best regards

John Lipa
Senior Manager, Emissions Testing & EPA Liaison
RD NA/T

Ann Arbor TechCenter
Mercedes-Benz Research & Development, North America, Inc.
3953 Research Park Drive
Ann Arbor, MI 48108

Phone: +1-734-997-2032
Mobile: +1-734-678-3621
Fax: +1-734-995-1342

mailto: John.Lipa@Daimler.com

www.mbrdna.com

From: Ball, Joel [<mailto:ball.joel@epa.gov>]
Sent: Tuesday, October 06, 2015 2:17 PM
To: Lipa, John (624)
Cc: Sohacki, Lynn
Subject: 2015 ML 350 diesel testing

Hi John,

EPA is preparing to perform emissions tests, both on and off the standards test cycles, according to the regulations of 40 CFR §86.1809 on a 2015 MY Mercedes GL 350 VIN # 4JGDF2EE2FA563131 from tests group FMBXT03.0U2A. EPA is requesting that Mercedes provide data and technical support for this testing.

Please provide the information in the attached parameter sheet.

Please provide a detailed engineering description of the control algorithms found in this and other vehicles in test group FMBXT03.0U2A. EPA requests Mercedes provide an electronic copy of the control strategy used to enable and disable EGR and diesel exhaust fluid (DEF) dosing system on this vehicle along with the control strategy used to determine the amount and timing of EGR and DEF dosing. Specifically EPA is requesting Mercedes provide a functional description of the software and any calibration guides used by Mercedes' emission development engineers. These documents could include written descriptions of the software and/or detailed flowcharts.

The engineering description provided must be sufficiently detailed such that it describes each and every parameter involved in all calculations regarding the quantity and timing of EGR and DEF dosing and the enabling and disabling of the DEF dosing. In addition, EPA requests a detailed listing of the values for every calibration parameter involved in any decision related to EGR and DEF dosing.

EPA further requests Mercedes to provide the information necessary to interrogate the emissions control unit (ECU/ECM) to monitor and record parameters used in the strategies mentioned above. Please identify which parameters have standard or manufacturer specific parameter IDs (PIDs) associated with them along with the PID address as well as providing the ETAS files necessary to record parameters using INCA.

I expect we will have questions regarding the information Mercedes provides once we have had the opportunity to review the software description and the calibration. In addition, we may request additional information regarding the design and operation of your control algorithm.

Please let me know if you have any questions regarding this request and if you need any additional information in order to respond.

Regards,

Joel Ball
Light-Duty Vehicle Group
Compliance Division
United States Environmental Protection Agency
(734) 214-4238
ball.joel@epa.gov

If you are not the addressee, please inform us immediately that you have received this e-mail by mistake, and delete it. We thank you for your support.